

ABSTRACT

A spatial marker specified in extensible
mark-up language (XML) for use in connection with an
XML-based synchronized multimedia presentation. The
spatial marker specifies a visual cue for a
multimedia element in the presentation, together
with the visual appearance of the cue and spatial
and temporal characteristics of the cue. The
spatial and temporal characteristics of the cue
synchronize the cue with the multimedia
presentation. In operation, and upon encountering
such a spatial marker, an XML-based multimedia
browser displaying the multimedia presentation to a
user would display the visual cue using the
specified visual appearance, and in the spatial and
temporal relationships with the multimedia element
as specified by the spatial and temporal
characteristics of the marker.